

# PATENT ABSTRACTS OF JAPAN

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(54) ARTIFICIAL JOINT FOR SUBSTITUTION FOR NATURAL JOINT, ESPECIALLY ARTIFICIAL KNEE JOINT

(57)Abstract:

PURPOSE: To provide a bone head part for an artificial joint which has a simple structure and stands long use.

CONSTITUTION: Joint elements 13, 13a, 13b for holding a bearing face matched with a neck bone part of an artificial condyle are bent so as to be moved and the joint elements 13, 13a, 13b can be slid in a guide track 35 whose end part is enlarged. The joint elements 13, 13a, 13b are fitted into the narrowest central part of the guide track 35 groove with the minimum clearance and loose fitting, and the enlarged end region of the guide track groove allows them limited torsional movement and sliding movement. The positions of the guide track 35 and the rib can be inverted, if desired. The joint elements 13, 13a, 13b slide on a sliding face and can be held by, for example, an interlock joint like a dove tail.

